

CLAIMS

1. Device for mounting a bearing assembly (3), which comprises a chock and a roll neck bearing mounted in the chock, on the roll neck (1) of the backup roll of a rolling stand and for dismounting a bearing assembly (3) from the roll neck (1) of the backup roll of the rolling stand, characterized by the fact that an anchorage fixture (5), which extends in the axial direction of the roll, acts on the roll neck (1); that the anchorage fixture (5) supports a washer (6) that can be axially displaced on the anchorage fixture (5), which washer (6) is supported at one end on a nut (8) that can be moved on the anchorage fixture (5) by screwing and at the other end on the bearing assembly (3); that a hydraulic pretensioning tool (16) can be temporarily assigned to the nut (8) and can apply a mounting force between the anchorage fixture (5) and the washer (6), which is supported on the bearing assembly (3); that a dismounting unit (11) can be temporarily coupled with the bearing assembly (3); and that a hydraulic cylinder (15) of the dismounting unit (11) can be supported on the roll neck (1).

2. Device in accordance with Claim 1, characterized by the fact that the nut (8) can be screwed down against the washer (6) with the anchorage fixture (5) pretensioned and is irreversibly secured against torsion by the tensioning forces between the anchorage fixture (5) and the nut (8).

3. Device in accordance with Claim 1 or Claim 2, characterized by the fact that an anti-twisting element (9) is assigned to the washer (6).

4. Device in accordance with any of Claims 1 to 3, characterized by the fact that when the roll is stopped, the hydraulic pretensioning tool (16) can be coupled to the anchorage fixture (5) and, driven by an external hydraulic source, can be adjusted against the washer (6).

5. Device in accordance with any of Claims 1 to 4, characterized by the fact that the dismounting unit (11) can be universally used for both bearings of a roll.

6. Device in accordance with any of Claims 1 to 5, characterized by the fact that the dismounting unit (11) can be bolted together with the bearing assembly (3).

7. Device in accordance with any of Claims 1 to 5, characterized by the fact that the dismounting unit (11) can be coupled with the bearing assembly (3) by a bayonet socket.

8. Device in accordance with any of Claims 1 to 5, characterized by the fact that the dismounting unit (11) has claws that grip behind the bearing assembly (3).

9. Device in accordance with any of Claims 1 to 8, characterized by the fact that the hydraulic cylinder (15) is supported on the anchorage fixture (5), which is rigidly connected with the roll neck (1).

10. Device in accordance with any of Claims 1 to 9, characterized by the fact that the pretensioning tool (16) and the dismounting unit (11) can be coupled with the bearing assembly (3) separately from each other.